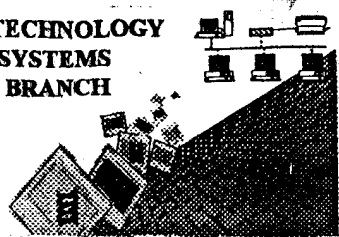


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BIOTECHNOLOGY
SYSTEMS
BRANCH



2590
0529

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/954,987A
Source: OLP
Date Processed by STIC: 6/4/2002

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
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<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom!

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
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Revised 01/29/2002



OIKE

RAW SEQUENCE LISTING

DATE: 06/04/2002

PATENT APPLICATION: US/09/954,987A

TIME: 15:02:29

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\06042002\I954987A.raw

Does Not Comply
Corrected Diskette Needed

pp 1-3

4 <110> APPLICANT: Stefan Bauer
5 Grayson B. Lipford
6 Hermann Wagner
8 <120> TITLE OF INVENTION: PROCESS FOR HIGH THROUGHPUT SCREENING OF
9 CpG-BASED IMMUNO-AGONIST/ANTAGONIST
12 <130> FILE REFERENCE: C1041/7016 (AWS)
14 <140> CURRENT APPLICATION NUMBER: US 09/954,987A
15 <141> CURRENT FILING DATE: 2001-09-17
17 <150> PRIOR APPLICATION NUMBER: US 60/233,035
18 <151> PRIOR FILING DATE: 2000-09-15
20 <150> PRIOR APPLICATION NUMBER: US 60/263,657
21 <151> PRIOR FILING DATE: 2001-01-23
23 <150> PRIOR APPLICATION NUMBER: US 60/291,726
24 <151> PRIOR FILING DATE: 2001-05-17
26 <150> PRIOR APPLICATION NUMBER: US 60/300,210
27 <151> PRIOR FILING DATE: 2001-06-22
29 <160> NUMBER OF SEQ ID NOS: 230
31 <170> SOFTWARE: FastSEQ for Windows Version 3.0

ERRORED SEQUENCES

630 <210> SEQ ID NO: 9
631 <211> LENGTH: 497
632 <212> TYPE: DNA
633 <213> ORGANISM: Mus musculus
635 <400> SEQUENCE: 9
636 gtgggtttgg tgtctatctt cactctcctg aaagatgcat gggaagaaaa ctacccttta 60
637 cagccaacct ttgctccgtg ggcctggtgg cttggtagca tatattgcgc acttgccaaa 120
638 tagcgggtgta gtaagacaga gcaaggcagg cagagcaact cggaaccag acatgaagat 180
639 gcagctgttt ccagctgttg ctctgagcta ttctgctgta ggtccccggc agaagttctg 240
640 gttatagaag tggcgggttg ccctagtcag ggtgtactc agctgggccc agaagcccc 300
641 ctgcccgttg ggtcgtggtg gccagaagag cacactctgg cggcagagac gctggcgcag 360
E--> 642 tcgcacatag cgggacggtg gggcatccgg acgcaggatc accaacacca ccacgtcctt 420
643 gcggtcttcc aacaggcgct gctgagccag caggaagctg gtgcgcagga ggccactgac 480
644 gcggtccgtg tgggcca 497
646 <210> SEQ ID NO: 10
647 <211> LENGTH: 95
648 <212> TYPE: PRT
649 <213> ORGANISM: Mus musculus
651 <400> SEQUENCE: 10
652 Ala His Thr Asp Arg Val Ser Gly Leu Leu Arg Thr Ser Phe Leu Leu
653 1 5 10 15

see
p. 3

P. 2

RAW SEQUENCE LISTING

DATE: 06/04/2002

PATENT APPLICATION: US/09/954,987A

TIME: 15:02:30

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\06042002\I954987A.raw

654 Ala Gln Gln Arg Leu Leu Glu Asp Arg Lys Asp Val Val Val Leu Val
655 20 25 30
E--> 656 Ile Leu Arg Pro Asp Ala Xaa Pro Ser Arg Tyr Val Arg Leu Arg Gln
657 35 40 45
658 Arg Leu Cys Arg Gln Ser Val Leu Phe Trp Pro Gln Arg Pro Asn Gly
659 50 55 60
660 Gln Gly Gly Phe Trp Ala Gln Leu Ser Thr Ala Leu Thr Arg Asp Asn
661 65 70 75 80
662 Arg His Phe Tyr Asn Gln Asn Phe Cys Arg Gly Pro Thr Ala Glu
663 85 90 95

→ see p.3

4351 <210> SEQ ID NO: 203
4352 <211> LENGTH: 31
4353 <212> TYPE: PRT
4354 <213> ORGANISM: Homo sapiens
4356 <400> SEQUENCE: 203
E--> 4357 Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg Xaa Asp Xaa Leu Xaa Xaa Xaa
4358 1 5 10 15
E--> 4359 Xaa Xaa Xaa Xaa Xaa Xaa Lys Leu Xaa Xaa Xaa Xaa Xaa Xaa Ser
4360 20 25 30

see p.3

4362 <210> SEQ ID NO: 204
4363 <211> LENGTH: 31
4364 <212> TYPE: PRT
4365 <213> ORGANISM: Mus musculus
4367 <400> SEQUENCE: 204
E--> 4368 Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg Xaa Asp Xaa Leu Xaa Xaa Xaa
4369 1 5 10 15
E--> 4370 Xaa Xaa Xaa Xaa Xaa Xaa Ser Leu Xaa Xaa Xaa Xaa Xaa Xaa Ser
4371 20 25 30

p.3

4373 <210> SEQ ID NO: 205
4374 <211> LENGTH: 31
4375 <212> TYPE: PRT
4376 <213> ORGANISM: Homo sapiens
4378 <400> SEQUENCE: 205
E--> 4379 Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg Xaa Asp Xaa Asp Xaa Xaa Xaa
4380 1 5 10 15
E--> 4381 Xaa Xaa Xaa Xaa Xaa Xaa Asp Leu Xaa Xaa Xaa Xaa Xaa Xaa Tyr
4382 20 25 30

p.3

4384 <210> SEQ ID NO: 206
4385 <211> LENGTH: 31
4386 <212> TYPE: PRT
4387 <213> ORGANISM: Mus musculus
4389 <400> SEQUENCE: 206
E--> 4390 Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg Xaa Asp Xaa Asp Xaa Xaa Xaa
4391 1 5 10 15
E--> 4392 Xaa Xaa Xaa Xaa Xaa Xaa Asp Leu Xaa Xaa Xaa Xaa Xaa Xaa His
4393 20 25 30

p.3

VARIABLE LOCATION SUMMARY

DATE: 06/04/2002

PATENT APPLICATION: US/09/954,987A

TIME: 15:02:32

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\06042002\I954987A.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:9; N Pos. 380

Seq#:10; Xaa Pos. 39

Seq#:125; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27

Seq#:125; Xaa Pos. 28,29,30

Seq#:126; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27

Seq#:126; Xaa Pos. 28,29,30

Seq#:127; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27

Seq#:127; Xaa Pos. 28,29,30

Seq#:145; Xaa Pos. 2,3,5,6,7,8,9,10,12,13

Seq#:196; Xaa Pos. 4,5,7,8,9,10,11,12,14,15

Seq#:203; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27

Seq#:203; Xaa Pos. 28,29,30

Seq#:204; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27

Seq#:204; Xaa Pos. 28,29,30

Seq#:205; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27

Seq#:205; Xaa Pos. 28,29,30

Seq#:206; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27

Seq#:206; Xaa Pos. 28,29,30

VERIFICATION SUMMARY

DATE: 06/04/2002

PATENT APPLICATION: US/09/954,987A

TIME: 15:02:32

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\06042002\I954987A.raw

L:642 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
L:656 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10
L:1980 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:125
L:1980 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:125
L:1980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:0
L:1982 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:125
L:1982 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:125
L:1982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:16
L:1994 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:126
L:1994 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:126
L:1994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:0
L:1996 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:126
L:1996 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:126
L:1996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:16
L:2008 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:127
L:2008 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:127
L:2008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:0
L:2010 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:127
L:2010 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:127
L:2010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:16
L:2021 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2025 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:128
L:2029 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:128
L:2033 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:128
L:2037 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:128
L:2226 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:145
L:2227 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:145
L:2227 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:145
L:2227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:0
L:4294 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:196
L:4294 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:196
L:4294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:196 after pos.:0
L:4357 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:203
M:340 Repeated in SeqNo=203
L:4368 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:204
M:340 Repeated in SeqNo=204
L:4379 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:205
M:340 Repeated in SeqNo=205
L:4390 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:206
M:340 Repeated in SeqNo=206
L:4403 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:4407 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:207